

10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in SW¹/4 SW¹/4 NW¹/4 sec. 28, T. 36 S., R. 5 W., Garfield County, Hydrologic Unit 16030001, on right bank 15 ft upstream of county road bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi².

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

REVISED RECORDS.--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since November 9, 1995. Elevation of gage is 6,870 ft above NGVD of 1929, from river-profile map. Prior to August 23, 1911 at sites about 2 mi upstream. August 23, 1914 to August 22, 1978 at various sites within 300 feet of current site, different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some diversions for irrigation upstream of station. No regulation since Hatchtown Dam failed in 1914.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,490 ft³/s, May 26, 1922, gage height, 5.25 ft, datum then in use; minimum daily, 10 ft³/s, for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 ft³/s, Sep 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 9	0130	*61	*0.88				

Minimum daily discharge, 29 ft³/s, Aug 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	58	e55	50	e40	49	45	42	36	32	32	31
2	53	57	58	50	e42	e46	43	44	34	32	32	32
3	53	57	57	50	e42	e47	45	47	36	33	32	32
4	53	57	60	50	e42	e47	48	46	37	32	32	32
5	52	58	e57	e50	e43	49	50	44	37	32	31	32
6	55	57	e56	49	e43	49	50	43	34	31	32	36
7	54	58	56	50	e44	50	50	42	33	31	32	42
8	55	58	e55	50	48	51	48	42	33	31	31	40
9	56	58	e54	51	e46	e50	48	41	33	32	31	36
10	54	58	e54	51	e44	50	42	41	34	32	31	38
11	54	57	54	48	48	49	45	41	34	32	31	38
12	55	57	e53	49	48	49	47	41	34	32	31	38
13	56	58	e52	48	47	50	50	41	33	32	30	36
14	55	57	e53	e48	49	49	53	40	33	32	31	35
15	55	57	e52	48	49	47	55	39	33	32	29	35
16	55	57	e52	e46	50	48	56	38	32	33	29	34
17	55	56	e51	e46	50	48	52	38	33	34	30	34
18	56	56	e52	e44	50	48	49	38	32	35	30	34
19	55	56	e53	42	50	48	48	38	33	36	31	34
20	54	56	e55	42	51	49	46	38	32	35	31	34
21	53	57	e54	44	52	49	47	38	32	33	30	33
22	54	57	e52	48	52	49	47	39	33	32	31	32
23	54	57	e50	e40	52	49	45	39	33	32	31	34
24	57	e56	e46	e42	52	48	43	40	33	33	32	34
25	60	e56	e46	e42	50	48	44	39	32	34	31	33
26	60	e55	e46	e43	49	47	46	37	32	34	31	33
27	59	e54	e48	45	49	47	48	39	32	32	31	33
28	59	e54	e50	48	49	46	44	36	32	32	32	34
29	58	53	e50	e44	---	44	42	36	32	32	31	39
30	57	56	50	e40	---	44	41	36	32	32	31	37
31	59	---	50	e39	---	44	---	36	---	32	30	---
TOTAL	1718	1698	1631	1437	1331	1488	1417	1239	999	1009	960	1045
MEAN	55.42	56.60	52.61	46.35	47.54	48.00	47.23	39.97	33.30	32.55	30.97	34.83
MAX	60	58	60	51	52	51	56	47	37	36	32	42
MIN	52	53	46	39	40	44	41	36	32	31	29	31
AC-FT	3410	3370	3240	2850	2640	2950	2810	2460	1980	2000	1900	2070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-28, 1940-2002, BY WATER YEAR (WY)

MEAN	76.11	74.07	68.02	62.41	65.68	75.39	126.9	334.3	260.5	118.6	89.50	78.89
MAX	246	149	150	128	130	159	465	1012	1071	430	228	167
(WY)	1917	1917	1922	1923	1922	1916	1916	1922	1983	1983	1983	1922
MIN	36.8	36.9	36.2	37.1	36.6	38.5	44.0	40.0	33.3	32.5	30.4	28.3
(WY)	1978	1978	1957	1991	1978	1957	1957	2002	2002	2002	1977	1977

SEVIER LAKE BASIN

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1915-28, 1940-2002
ANNUAL TOTAL	35048	15972	119.7
ANNUAL MEAN	96.02	43.76	313
HIGHEST ANNUAL MEAN			1922
LOWEST ANNUAL MEAN			42.6
HIGHEST DAILY MEAN	514	May 17	1430
LOWEST DAILY MEAN	38	Feb 2	May 26 1922
ANNUAL SEVEN-DAY MINIMUM	44	Jan 17	0.00 Jul 31 1927
ANNUAL RUNOFF (AC-FT)	69520	31680	23 Aug 30 1977
10 PERCENT EXCEEDS	192	56	86700
50 PERCENT EXCEEDS	60	45	229
90 PERCENT EXCEEDS	50	32	75
			45

e Estimated

